## Index to Volume XVI American Gas Association Monthly 1934

## Authors

A Pa	ige	Issue	F P	age	Issue
Adams, W. J.—The Life Story of an Order 20			FLEMING, T. ALFRED-A.G.A. To Aid Fire Preven-	258	
Allen, George W.—Canadian Gas Industry Shows	3/	Oct.	FORWARD, ALEXANDER—Gas Prepared To Serve 15,-	257	Aug.
Improvement	24	Apr.	000,000 Customers		May
			The Association's Work		Nov.
В			FRAGA, G. L.—Method of Authorizing Expenditures	104	May
Bowser, W. S.—Balance Sheet Consolidation by			and Auditing Cost Plus Contracts	272	Aug.
	92	Mar.	French, C. H.—Modern Gas Kitchen at U. S Military Academy	213	June
BOYD, GEORGE H.—Extend Plans for Coating Tests 31  Laboratory Tests of Pipe Coatings		Sept. July	Fuchs, Geo. W.—Job Training for Meter Readers,	210	June
BRUNDAGE, JR., H. MGas Plays Important Part		3	Collectors, and Bill Deliverers	239	July
at Master Plumbers' Show	25	July			
			G		
C			GALLAGHER, THOMAS JWhy Gas is Superior for		
C C			Large Volume Cooking		Apr.
CANADAY, WARD M.—The Federal Housing Program	25	Dec.	GRANDBOIS, MORLAN J.—Gas Flood Lighting GORDON, L. O.—Electric Competition in Mississippi.		Oct. Nov.
CAROTHERS, NEIL-The National Economic Situa-					
CASTER, H. O.—Problems Facing the Industry		Dec. Mar.	Н		
The Gas Industry Today		Nov.	HAGERMAN, O. S.—The Technical Man's Responsi-		
CHISLER, J. C.—Accurate Field Records—A Neces-			bility	448	Dec.
sity in the Administration of Natural Gas Properties	05	June	HARRISON, GEO. L.—An Accounts Payable Machine		
CLIFF, HERBERT EHigh Spots of Annual Account-	.00	Jane	Installation Henderson, W. M.—Self-Contained, Gasoline-Op-	306	Sept.
ing Section Meeting	40	Dec.	erated Jack Hammer	176	May
	81	Mar.	HILL, S. A.—Procedure for a Meter-Record Refer-	256	Ont
CONNER, R. M.—Domestic Gas Burner Design and	44		HOFFMAN, PAUL—Selecting and Training the Con-	330	Oct.
	41 76	Feb. Mar.	tact Employee	270	Aug.
CORTELYOU, GEORGE B Solutions to Utility Prob-			HOLMES, L. M.—Replacing Gas-Fired Heaters and Furnace Coils with Automatic Storage Water		
lems Are Economic, Not Political	115	Dec.	Heaters	442	Dec.
and Other Heat Treating Processes in Con-			Humm, A. W.—Advertising Program of Hotel and	114	A
	46	Feb.	Restaurant Committee	114	Apr.
Cox, R. C.—Better Letters	597	Nov.	1		
to Mixed Gas 2		Sept.	Jones, F. B.—Industrial Gas Utilization Technical		
CULLEN, GEORGE L.—Gas Exhibit at Farm Show	80	Mar.	Helps Available Through A.G.A	132	Apr.
			JONES, JACOB B.—Physician to Gas Industry	339	Oct.
			Jones, J. Frank—Performance and Sale of Gas Arc Lamps	405	Nov
D			Manips	100	1101.
DAY, ADDISON B.—Fulfilling a Mission 4	135	Dec.	K		
			Keller, E. N.—Performance Yardsticks	26	Ech
·			KELLER, E. N.—Feriormance Tardsucks	30	reb.
Е			L		
EACKER, E. H.—The Development and Operation of	20	T	LOEBELL, H. O.—Planning for House Heating Sales	166	May
Combination Compressor Trucks  EGNER, FREDERIC—A Glimpse into the Past of the	30	Jan.	Principles of Mass Selling		
Gas Industry	85	Mar.			
Ewing, Scorr—Electrolytic Method for Determining	126	Ann	M		
Condition of Non-Metallic Pipe Coating 1 Laboratory Studies of the Performance of Pipe	130	Apr.	MALONE, J. A.—Gas Industry Displays at Heating		
Coatings	98	Mar.	and Ventilating Exhibition		Apr.

	Page	Issue	Page	Issue
Malone, J. A.—Gas Industry Has L National Metal Exposition	arge Display at		SMITH, JR., H. W.—New Graphical Method of De- termining Flue Losses from Industrial Gas	
Industrial Gas Promotion The Displays		May	Furnaces	June
Modern Design Features Gas D		May	Appliance Pressure Regulators 226	July
Show		Dec.	Resistance of Range Pilots to Drafts 297	Sept.
MANIER, RALPH L.—Large Volume		May July	STARZENSKI, VICTOR—Association Aids in Utilization Problems	Dec.
MATTOCKS, E. O.—Industrial Gas and Application	Burner Design 188	June	STOLZENBACH, CHARLES F.—Heavy Oil Tar Emulsions in the Water Gas Process, Part I 245	July
McKay, Edward F.—Emphasizes I of A.G.A. Services	398	Nov.	Heavy Oil Tar Emulsions in the Water Gas Process, Part II	Aug.
McQueen, Jessie-Kitchen Planning Milener, Eugene DApplying	Nature's Own	Feb.	STONE, F. W.—Cost of Water Heating by Furnace Coils	Mar.
Method of Cooling to Gas Air-C The Rise of "Gas Hot Tubes"	186	Apr. June	Suffron, F. O.—Importance of Research in Development of A.G.A. Standards	Aug.
MILLION, T. H.—Heroes, Unhonored MORGAN, JEROME J.—Heavy Oil Tar		Jan.	SWEENEY, A. A.—Employee Industry Development Plans	July
Water Gas Process, Part I Heavy Oil Tar Emulsions in t	he Water Gas	July		
Process, Part II	277	Aug.	T	
			Teller, W. R.—Investigation of Domestic Cooking	
N			by Gas and Electricity	Dec.
NEALEY, J. B Ford Motor Comp	any Uses Gas		the Baking Field	June
Forging Furnaces The Black Art		Sept. Jan.	Cooperative Gas Exhibit at Hospital Convention 403 TREVITT, C. L.—Electric Cooking Competition 359	Nov. Oct.
0			v	
0	TM 11 1 1			
Olcott, Jr., H. W.—Direct Mail B phia House Heating Sales Olson, H. E.—Form Standardization Orr, James F.—Sales Planning for B		Dec. Sept. May	VITELES, MORRIS S.—Training Employees for the Promotion of Good Will and Sales	Oct.
			W	
			WATTS, ARTHUR P.—Determination of the Effect of	
P PAIGE, C. E.—Problems Confronting	the Gas Engi-		Direct Gas Firing on Porcelain Glazes 8 Webber, George B.—Measuring Meter Reading	Jan.
PARKS, F. T.—Customer Relations in		June	Time Requirements	Apr.
Shop Operation		Sept.	Old-Timer	Jan. Nov.
Perry, J. A.—Combination Dirt and C Production of Vapor-Phase Gum	for Pilot Tests	Dec.	WILLIEN, LEON J.—Standby Gas	
By Continuous Addition of NO to Peters, M. F.—Autographed Cattle		reb.	Meat Cookery	Dec.
Good Will for Gas Company	158	May	Gas for Heating and Refrigeration	Jan.
R			proved as American Standards	Nov.
	ention Courdi		to Approval Requirements for Gas Appliances 449	Dec.
RUTHENBURG, LOUIS—Gas Refriger nated Advertising and Selling		Aug.		
			Y	
S			Young, C. M.—The New Natural Gas Course—How and Why it Was Prepared	Oct.
Scott, Gordon N.—Electrolytic Meth mining Condition of Non-Metallic		Apr.		
SHANK, DOROTHY EValues of Rese		D.	Z	
Service		Dec.	ZIMMERMAN, JOHN E.—Federal Subsidized Competi-	
as Sales Aids		Oct.	tion and Its Consequences 418	Dec.

## Subjects

A	Page	Issue
Accident prevention:		
	257	A
A.G.A. aids fire prevention week-T. A. Fleming.		Aug.
Consolidated Gas safety record	296	Sept.
five year no-accident record		Jan.
safe practices for natural gas distribution		Feb.
safety precautions in changing to mixed gas-		
J. B. Craven		Sept.
Accidents:		m of
statistics show decline	433	Dec.
Accounting:	700	Dec.
accounts payable machine installation—G. L. Har-		
		C
rison	306	Sept.
balance sheet consolidation by machine-W. S		
Bowser	92	Mar.
better letters-R. C. Cox	397	Nov.
bill investigation-E. F. Albert	. 357	Oct.
collection policies-T. H. Million		Jan.
form standardization-H. E. Olson		Sept.
job training for meter readers and collectors-Geo		
W. Fuchs	230	July
life story of an order—W. J. Adams	204	_
		June
meter reading time requirements-George B. Web-		
ber	. 129	Apr.
meter-record reference file procedure-S. A. Hill.	. 356	Oct.
method of authorizing expenditures and auditing	5	
cost plus contracts-G. L. Fraga	272	Aug.
method of control for consumers' deposits-W. J		
Foy		May
office management—	201	21243
field records in the administration of natural		
gas properties—J. C. Chisler		Tanna
		June
performance yardsticks-E. N. Keller	50	Feb.
section activities—		
committees arrange year's program		Apr.
committees meet		Feb.
committees report progress	238	July
high spots of annual meeting-H. E. Cliff		Dec.
Advertising:		
campaigns in TVA area	344	Oct.
direct-mail boosts Philadelphia sales—H. W. Ol-		Oct.
		-
cott, Jr	438	Dec.
Henry Obermeyer heads P.U.A.A	249	July
hotel and restaurant program-A. W. Humm	114	Apr.
hotel and restaurant		Oct.
industrial gas window displays	265	Aug.
Pacific Coast Gas Association campaign		Apr.
P. & A. committee personnel		-
P. & A. section abolished	155	Sept.
DILAA ((L-tt))	155	May
P.U.A.A. "better copy" contest		Jan.
P.U.A.A. meeting		June
service break converted into good will advertising		Mar.
symposium at A.G.A. convention	431	Dec.
window display awards	455	Dec.
Affiliated association activities:		
	50	Feb.
	-	Mar.
		Apr.
		May
		June
		July
***************************************		Aug.
***************************************		Sept.
***************************************		Oct.
***************************************		Nov.
***************************************	436	Dec.
A.G.A. Laboratory:		
see Laboratory		

sue

ıne

oly ept.
Dec.
uly
ug.
far.
ug.

Dec.

une Nov. Oct.

Oct.

Jan. Apr.

Jan. Nov. Dec. Jan. Nov. Dec.

Oct.

Dec.

Air conditioning:	Page	Issue
applying nature's own method of cooling-E. D.		
Milener		Apr.
bibliography	207	June
***************************************	310	Sept.
Bryant acquires silica gel patents		Aug.
gas unit air conditioner demonstrated	84	Mar.
Johns Hopkins home study course		June
American Gas Association:	207	June
convention—		
see Convention, A.G.A.		
managing director's report-A. Forward	386	Nov.
new directors and chairmen	382	Nov.
nominations	258	Aug.
organization dinner	444	Dec.
president's address-H. O. Caster	383	Nov.
value of services—Jacob B. Jones		Oct.
Edward F. McKay		Nov.
Addison B. Day		Dec.
Victor Starzenski		Dec.
American Gas Journal is 75 years old		June
Appliance and equipment developments	34	Jan.
***************************************	249	July
*************************************	369	Oct.
	453	Dec.
Appliance standards:		
A.G.A. listing requirements and their relation to		
approval requirements-F. R. Wright		Dec.
approval and listing requirements relationship de-		
fined		June
approval requirements—		3 4111
conversion burners	320	Sept.
draft hoods		Sept.
gas cocks		Sept.
industrial gas boilers		Sept.
pressure regulators		Sept.
refrigerators		Sept.
approval seal praised		July
changes in water heater requirements		Mar.
committee accepts new requirements		Jan.
hotel and restaurant ranges		Aug.
importance of research in developing-F. O. Suf-		
fron		Aug.
new approval and listing requirements	67	Feb.
new approval and listing requirements-F. R.		
Wright	407	Nov.
ranges—		
broiler ratings investigated	319	Sept.
changes in approval requirements		Jan.
refrigerators and appliance pressure regulators	281	Aug.
revised approval policies adopted	224	July
revised water heater approval requirements		Apr.
tubing and automatic devices		Mar.
	104	IVI al
Appliance testing: laboratory activities praised by A.S.A	AAA	Dec.
laboratory activities praised by A.S.A	76	
laboratory program and operations-R. M. Conner	76	Mar.
revised policies adopted governing extension of ap-		T. 1
provals	224	July
Awards:	111	
A.G.A. meritorious service medal	113	Apr.
Beal medal	380	Nov.
McCarter	103	Mar.
	141	Apr.
	302	Sept.
	318	Sept.
	420	Dec.
		Dec.
Munroe award		Feb.
Munice award		Nov.
		Sept.
refrigeration	353	Oct

В	Page	Issue	Pag	e Issue
Beal medal		Nov.	newer knowledge of meat cookery-Inez S. Will-	200110
Bibliography:	000	11011	son 421	Dec.
house heating	122	Apr.	outlook for gas ranges	Sept.
house heating and air conditioning		June	Philadelphia school wins Polish housewives 264	
		Sept.	radio school in Dallas proves success 24	
industrial	60	Feb.	superiority of gas—Thomas J. Gallagher 121	
***************************************		June	test proves gas superiority	Jan.
		Oct.	Core baking:	3/-
	141	Apr.	convected heat proves superior to radiated heat 177	
Book reviews:	100	1	Cortelyou celebrates quarter century service 112 Credit and collection policies 22	
"Gas Engineers Handbook"		June	Customer relations:	Jan.
"Helpful Suggestions on Heating With Gas" Graham, Willard J.—Public Utility Valuation		July	better letter writing—R. C. Cox	Nov.
Lloyd. Peter—Theory of Industrial Gas Heating		Jan.	bill investigation—E. F. Albert	
Matuszak, Maryan P.—Fisher Gas-Analysis		Jan.	customers' shop operation—F. T. Parks 317	
Manual		May	selecting and training the contact employee-P.	
Persons, Warren MGovernment Experimentation			Hoffman	Aug.
in Business		Dec.		
Schäfer, Erich-The Saturation of Electric and				
Gas Appliances	91	Mar.		
British visit to U.S	7	Jan.	D	
Burner design:			Demonstration about a second and in interesting 210	C
domestic gas-R. M. Conner			Denver stand-by plant prevents service interruption 318 Deposits:	Sept.
industrial gas—E. O. Mattocks	188	June	consumers', method of control—W. J. Foy 164	Mon
			Displays:	May
			see Exhibitions.	
			Distribution conference	Feb.
C			97	
Calendar reform study	173	May		
Canadian gas industry shows improvement—G. W.			Distribution equipment:	
Allen		Apr.	self-contained, gasoline-operated jack hammer-	
Carbon black:			W. M. Henderson 176	May
The Black Art—J. B. Nealey	3	Jan.	Distribution:	
Cast iron pipe:			safe practices for natural gas	Feb.
specifications altered for line drips	70	Feb.	Draft hoods:	
Century of Progress Exposition:	170		approval requirements	
gas industry exhibit		May	Duckham, Sir Arthur, memorial	Apr.
		June		
		July Sept.		
gas featured in pottery exhibit		Sept.		
gas furnace utilized at Chrysler exhibit		Sept.	E	
gas used in glass-making		Sept.	Education:	
Codes, NRA:			Brooklyn Poly gas engineering course 266	
manufactured gas industry	39	Feb.	chemical engineering course at Columbia 411	
		May	home service course at N. Y. U	Mar.
Coffee roaster developed	366	Oct.	house heating and air conditioning course at Johns	
Combustion:			Hopkins	
laboratory research on high temperature combus-	125	A	natural gas course—C. M. Young	
Compressor truck, combination—E. H. Eacker		Apr. Jan.	natural gas fellowship awarded	
Consolidated Gas commemorates 50th birthday			52	
Convention, A.G.A.:	110	Dec.	natural gas laboratory, University of Pittsburgh 91	
and exhibition, Atlantic City	287	Sept.	natural gas measurement course at Okla. U 139	
		Aug.	Purdue scholarship awarded	
comments		Dec.	Snyder holds fellowship at W. Va. U 291	
exhibit space at Atlantic City in heavy demand	111	Apr.	southwestern gas measurement short course at	
high lights of addresses	379	Nov.	Okla. U 211	June
industry rivets attention on		June	49	Feb.
large registration marks opening		Nov.	Employee training:	
manufacturers plan exhibit		Sept.	program for employees—Morris S. Viteles 348	Oct.
program	321	Oct.	see Customer Relations.	
Conversion burners: approval requirements	220	c .	Education.	
	320	Sept.	Exhibitions—gas industry:	Α
Cooking: electric competition—C. L. Trevitt	350	Oct.	A.G.A. convention and exhibition, Atlantic City 111	
gas stove in use 44 years		Aug.		
gas companies participation in National Meat		rug.	287	
Board Cooking Schools		Oct	314	
investigation of, by gas and electricity—W. R.			327	
Teller	434	Dec.		

"(

G

Pag	ge	Issue	Н Р	age	Issue
Heating and Ventilating exhibition-J. A. Malone 13			Heating and Ventilating show		Feb.
Hospital convention—F. H. Trembly, Jr			Heat treating: continuous machine for	62	Feb.
National Association of Master Plumbers—H. M. Brundage, Jr	25	July	development of processes, in controlled atmos-	46	
		Apr.	pheres—R. J. Cowan	46 235	Feb.
National Hotel exposition—J. A. Malone 44		Dec.	Home service:		July
National Metal exposition—J. A. Malone 40	01	Jan. Nov.	American home economics convention		Aug. Sept.
	13	Sept.	committee outlines activities	24	Jan.
National Metal Congress and Exposition 15		May	cooking school has large attendance		Dec.
National Metal Progress Exposition:		Jan. July	kitchen planning—Jessie McQueen New England directors hold meeting		Feb.
New Jersey hotel association		Aug.	newer knowledge of meat cookery-I. S. Willson	421	Dec.
Pennsylvania farm show-G. L. Cullen 8		Mar.	N. Y. U. course	94	Mar.
World's Fair		May	150 attend conference	170	May
		June	Philadelphia cooking school wins Polish house-	264	
		July Sept.	radio school in Dallas proves success	204	Aug.
		Dept.	survey calls as sales aids—Mrs. L. C. Shelton		Oct.
			values of research for-D. E. Shank	445	Dec.
			year's articles in women's magazines	208	June
F			House cooling: see Air Conditioning.		
			House heating:		
Federal competition: consequences of—J. E. Zimmerman	18	Dec	bibliography	122	Apr.
see also TVA.		Dec.	***************************************		June
Federal housing program:			committee report available	310	Sept.
see Housing program.			effective venting of gas equipment—M. T. Clow	81	Nov. Mar
Filters:	52	D	G. E. adds gas furnaces		Mar
combination dirt and gum—J. A. Perry 45 Flue losses:	34	Dec.	Johns Hopkins home study course Philadelphia sales boosted by direct mail—H. W.		June
determination of, from industrial gas furnaces— H. W. Smith, Jr	94	June	Olcott, Jr		Dec.
Flue temperature measurement 10		Mar.	Pittsburgh campaignplanning for sales—H. O. Loebell		Oct.
Foreign:			Washington develops use of gas		May
Belgian Gas Association convention		Dec.	Housing: A.G.A. resolution.		Dec
ice		Sept.	cooperation with FHA-Ward M. Canaday		Dec.
German executive visits A.G.A. laboratory 45 honorary A.G.A. members elected		Dec.	gas industry cooperation	390	Nov
Japanese engineers visit A.G.A. headquarters 20		June	low-cost, parley endorses gas for heating and re-	-	Y
London gas officials visit U. S 36		Oct.	frigeration—F. R. Wrightsteps in national program		Jan. Oct.
Rumanian visitor describes experiences 23	34	July	Programme progra	000	Oct.
Russian engineers inspect coke oven gas manufac-	10	* 1			
ture 24 Forging:	10	July			
furnace, new rotary	73	May	Industrial gas :		
gas furnaces used by Ford Motor Company-			bibliography	60	Feb.
J. B. Nealey	92	Sept.			June
			••••••		Apr.
			boilers—	365	Oct.
			approval requirements		Sept
Gas cocks:			burner design and application—E. O. Mattocks	188	June
approval requirements	21	Sept.	competitive situation in baking field—F. H. Trembly, Jr	210	June
Gas industry:			controlled atmospheres, development of heating,		3
exhibitions—see Exhibitions.			annealing and other heat treating processes in-		
prepared to serve 15,000,000 customers—Alexander	21	Man	R. J. Cowan	46	Feb.
Forward	11	May	determining flue losses from furnaces—H. W. Smith, Jr	194	June
you	15	Dec.	Ford Motor Company uses forging furnaces—	277	June
today's problems-H. O. Caster 7	75	Mar.		292	Sept
		Nov.		303	Sept
"Gas saver" facts	80	May	"gas hot tubes"—E. D. Milener		June
Wisconsin's new order	96	Sept.	glass making at World's Fairhotel and restaurant advertising		Sept Oct.
Glass making at World's Fair		Sept.	large volume water heating—see Water Heating.	304	Oct.
Gum formation:			Mexican ores smelted with American gas	14	Jan.
study of vapor-phase gum—J. A. Perry 6	64	Feb.	new coffee roaster developed	366	Oct.

ue

pt. ıg. n. pr. n.

ay pr. m. ov. ct. ept. ug.

ept. Лау

Feb. Mar. May

May Feb.

Sept. Apr.

Aug. Dec. Mar. June Nov. Oct. Nov. Feb. Mar. Apr. Oct. Sept. June Feb.

Oct.

Apr. June Aug.

Sept. Sept. Oct. Nov.

	Page	Issue
Heating and Ventilating show	62	Feb.
continuous machine fordevelopment of processes, in controlled atmos-		Feb.
pheres—R. J. Cowan	46	Feb. July
American home economics convention	276	Aug.
British visitors impressed by	312	Sept.
committee outlines activitiescooking school has large attendance		Jan. Dec.
kitchen planning-Jessie McQueen	. 54	Feb.
New England directors hold meeting	94	Mar.
newer knowledge of meat cookery—I. S. Willson. N. Y. U. course	94	Dec. Mar.
150 attend conference Philadelphia cooking school wins Polish house-	170	May
wives	264	Aug.
radio school in Dallas proves successsurvey calls as sales aids—Mrs. L. C. Shelton	363	Jan. Oct.
values of research for—D. E. Shank		Dec.
year's articles in women's magazines	208	June
see Air Conditioning.		
House heating: bibliography	122	Apr.
	207	June
	310	Sept.
committee report availableeffective venting of gas equipment—M. T. Clow	. 409	Nov. Mar.
G. E. adds gas furnaces	. 96	Mar.
Johns Hopkins home study course	. 207	June
Philadelphia sales boosted by direct mail—H. W Olcott, Jr	439	Dec.
Pittsburgh campaign	. 368	Oct.
planning for sales—H. O. Loebell	. 166	May June
Housing:		3
A.G.A. resolution	. 425	Dec.
gas industry cooperation	390	Dec. Nov.
low-cost, parley endorses gas for heating and re-	-	
frigeration—F. R. Wrightsteps in national program	. 5	Jan.
steps in national program	, 330	Oct.
I		
Industrial gas: bibliography	60	Feb.
·····		June
• • • • • • • • • • • • • • • • • • • •	. 141	Apr.
boilers—	. 365	Oct.
approval requirements	. 321	Sept.
burner design and application—E. O. Mattocks competitive situation in baking field—F. H. Trem-	. 188	June
bly, Jrcontrolled atmospheres, development of heating annealing and other heat treating processes in-		June
R. J. Cowandetermining flue losses from furnaces—H. W		Feb.
Smith, Jr Ford Motor Company uses forging furnaces—	-	June
J. B. Nealey	. 292	Sept.
gas furnace at Chrysler exhibit "gas hot tubes"—E. D. Milener		Sept. June
glass making at World's Fair	. 302	Sept.
hotel and restaurant advertising	. 364	Oct.
large volume water heating—see Water Heating Mexican ores smelted with American gas		Tom
new coffee roaster developed		Jan. Oct

Page	Issue	Pe	ane	Issue
new technical bulletin			19	Jan.
porcelain glazes, effect of direct firing on—A. P.	Oct.	1		Apr.
Watts 8	Jan.			Sept.
pottery exhibit at World's Fair	Sept.			Sept.
promotion of, through window displays-J. A.		44		Dec.
Malone	May	4	45	Dec.
sales experiences 163	May	Meter reading time requirements-G. B. Webber 1		Apr.
	June	Meter-record reference file procedure-S. A. Hill 3	556	Oct.
	July	Movies aid Milwaukee sales	75	Aug.
	Aug.	Munroe award	40	Feb.
304	Sept.		180	Nov.
technical helps available through A.G.AF. B.		*		
Jones	Apr.	N.		
The Black Art—J. B. Nealey	Jan.	N		_
window displays	Aug.	National economic situation-Dr. Neil Carothers 4	32	Dec.
Industrial research:		National Meat Board Cooking Schools, gas com-	250	
convected heat proves superior to radiated heat in	Mon	panies participation	152	Oct.
core baking	May May	NRA code:		
glost firing process, development of	June	see Codes.		
high flue gas temperature measurement 104	Mar.	Natural gas:	241	Oct.
Mellon Institute	Jan.	course preparation—C. M. Young		Apr.
new rotary forging furnace	May		63	Feb.
International gas conference	Oct.		52	Feb.
300	Sept.	2		Sept.
	Nov.	3		Nov.
		measurement course at Okla, U		Apr.
		necessity of field records in property administra-		
K		tion—J. C. Chisler	205	June
	T .	public relations problems		Mar.
Kitchen planning—J. McQueen 54	Feb.	standby gas-L. J. Willien 3	194	Nov.
		Naval air base equipped with gas	:01	June
		New England Hotel Exposition:		
L		A.G.A. participation	34	July
Laboratory:				
appliance testing program—R. M. Conner 76	Mar.			
	_	0		
approval requirements for conversion burners 320	Sept.	O Chituary :		
approval requirements for conversion burners 320 approval requirements for draft hoods 321	Sept. Sept.	Obituary:	354	Oct.
approval requirements for conversion burners 320 approval requirements for draft hoods 321 approval requirements for gas cocks 321	Sept. Sept. Sept.	Obituary: Brady, Edward J		Oct. Sept.
approval requirements for conversion burners 320 approval requirements for draft hoods 321 approval requirements for gas cocks 321 approval requirements for industrial gas boilers 321	Sept. Sept. Sept. Sept.	Obituary:	800	Oct. Sept. Feb.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept.	Obituary: Brady, Edward J	69	Sept.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept.	Obituary: Brady, Edward J	69 199	Sept. Feb.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept.	Obituary: Brady, Edward J	69 199 193	Sept. Feb. June
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. July	Obituary:       3         Brady, Edward J	69 199 193 352	Sept. Feb. June June
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept.	Obituary:       3         Brady, Edward J	600 69 199 193 352 244 103	Sept. Feb. June June Oct. July Mar.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. July July Sept.	Obituary:       Brady, Edward J.       3         Clark, Walton.       31         Dame, Frank L.       9         Grady, Stanley.       12         Hays, Victor A.       13         Higgins, Richard T.       3         Kane, James E.       24         Lane, Geo. A.       14         O'Donnell, Chas. J.       15	600 69 199 193 352 244 103 120	Sept. Feb. June June Oct. July Mar. Apr.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. July	Obituary:       3         Brady, Edward J.       3         Clark, Walton       3         Dame, Frank L.       5         Grady, Stanley       12         Hays, Victor A.       13         Higgins, Richard T.       3         Kane, James E.       2         Lane, Geo. A.       16         O'Donnell, Chas. J.       1         Prichard, Chas. R.       24	800 69 199 193 352 244 103 120	Sept. Feb. June Oct. July Mar. Apr. July
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. July July Sept.	Obituary:       Brady, Edward J	300 69 199 193 352 44 103 120 240 409	Sept. Feb. June June Oct. July Mar. Apr. July Nov.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. July July Sept. July	Obituary:       Brady, Edward J	300 69 199 193 352 244 103 120 240 409 130	Sept. Feb. June June Oct. July Mar. Apr. July Nov. Apr.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. July July Sept. July	Obituary:       Brady, Edward J.       3         Clark, Walton       30         Dame, Frank L.       9         Grady, Stanley       12         Hays, Victor A.       13         Higgins, Richard T.       3         Kane, James E.       22         Lane, Geo. A.       16         O'Donnell, Chas. J.       1         Prichard, Chas. R.       2         Rice, Calvin W.       4         Sauer, W. A.       1         Stannard, Clare N.       1	69 199 193 352 244 103 120 240 409 130 69	Sept. Feb. June June Oct. July Mar. Apr. July Nov. Apr. Feb.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug.	Obituary:       Brady, Edward J.       3         Clark, Walton.       31         Dame, Frank L.       9         Grady, Stanley.       11         Hays, Victor A.       12         Higgins, Richard T.       3         Kane, James E.       24         Lane, Geo. A.       16         O'Donnell, Chas. J.       17         Prichard, Chas. R.       24         Rice, Calvin W.       44         Sauer, W. A.       1         Stannard, Clare N.       5         Stephen, W. E.       44	69 199 193 352 244 103 120 240 409 130 69	Sept. Feb. June June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug.	Obituary:       Brady, Edward J.       3         Clark, Walton       3i         Dame, Frank L.       5         Grady, Stanley       12         Hays, Victor A.       12         Higgins, Richard T.       3         Kane, James E.       2         Lane, Geo. A.       16         O'Donnell, Chas. J.       17         Prichard, Chas. R.       24         Rice, Calvin W.       4         Sauer, W. A.       1         Stannard, Clare N.       1         Stephen, W. E.       4         Warner, D. H.       33	300 69 199 193 352 244 103 120 240 409 130 69 141	Sept. Feb. June June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec. Nov.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug.	Obituary:       Brady, Edward J.       3         Clark, Walton.       3i         Dame, Frank L.       5         Grady, Stanley.       12         Hays, Victor A.       13         Higgins, Richard T.       3         Kane, James E.       22         Lane, Geo. A.       10         O'Donnell, Chas. J.       1         Prichard, Chas. R.       2         Rice, Calvin W.       4         Sauer, W. A.       1         Stannard, Clare N.       5         Stephen, W. E.       4         Warner, D. H.       3         Welsh, Wm. J.       3	300 69 199 193 352 244 103 120 240 409 130 69 141 381 358	Sept. Feb. June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec. Nov. Oct.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. July Sept. July Aug. Sept. Aug.	Obituary:       Brady, Edward J	600 69 199 193 3352 244 103 120 440 440 440 441 381 358 427	Sept. Feb. June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec. Nov. Oct. Dec.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr.	Obituary:       Brady, Edward J.       3         Clark, Walton.       3         Dame, Frank L.       3         Grady, Stanley.       1!         Hays, Victor A.       1!         Higgins, Richard T.       3         Kane, James E.       2         Lane, Geo. A.       1!         O'Donnell, Chas. J.       1.         Prichard, Chas. R.       2         Rice, Calvin W.       4         Sauer, W. A.       1.         Stannard, Clare N.       5         Stephen, W. E.       4         Warner, D. H.       3         Welsh, Wm. J.       3         Wogan, F. R.       4         Zollikofer, H.       1!	600 69 199 193 3352 444 103 120 440 440 440 441 381 3881 358 427	Sept. Feb. June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec. Nov. Oct. Dec. June
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. July Sept. July Aug. Sept. Aug.	Obituary:       Brady, Edward J	600 69 199 193 3352 444 103 120 440 440 440 441 381 3881 358 427	Sept. Feb. June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec. Nov. Oct. Dec.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr. Apr.	Obituary:       Brady, Edward J.       3         Clark, Walton.       31         Dame, Frank L.       9         Grady, Stanley.       11         Hays, Victor A.       12         Higgins, Richard T.       3         Kane, James E.       24         Lane, Geo. A.       16         O'Donnell, Chas. J.       17         Prichard, Chas. R.       26         Rice, Calvin W.       4         Sauer, W. A.       1         Stannard, Clare N.       1         Stephen, W. E.       4         Warner, D. H.       3         Welsh, Wm. J.       3         Wogan, F. R.       4         Zollikofer, H.       19         O'Brien, W. J. heads Memphis company       25	600 69 199 193 3352 444 103 120 440 440 440 441 381 3881 358 427	Sept. Feb. June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec. Nov. Oct. Dec. June
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr. Apr. Sept.	Obituary:       Brady, Edward J.       3         Clark, Walton       3i         Dame, Frank L.       9         Grady, Stanley       1!         Hays, Victor A.       1!         Higgins, Richard T.       3         Kane, James E.       2e         Lane, Geo. A.       1!         O'Donnell, Chas. J.       1.         Prichard, Chas. R.       2e         Rice, Calvin W.       4         Sauer, W. A.       1.         Stannard, Clare N.       1         Stephen, W. E.       4e         Warner, D. H.       3         Welsh, Wm. J.       3         Wogan, F. R.       4e         Zollikofer, H.       1!         O'Brien, W. J. heads Memphis company       2c         Oil tar emulsions:       2c	600 69 199 193 3352 444 103 120 440 440 49 130 69 141 141 1358 127 199 159	Sept. Feb. June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec. Nov. Oct. Dec. June
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr. Apr. Sept. Oct.	Obituary:       Brady, Edward J.       3         Clark, Walton       30         Dame, Frank L.       3         Grady, Stanley       1!         Hays, Victor A.       1!         Higgins, Richard T.       3         Kane, James E.       22         Lane, Geo. A.       1!         O'Donnell, Chas. J.       1.         Prichard, Chas. R.       2         Rice, Calvin W.       4         Sauer, W. A.       1.         Stannard, Clare N.       5         Stephen, W. E.       4         Warner, D. H.       3         Welsh, Wm. J.       3         Wogan, F. R.       4         Zollikofer, H.       1!         O'Brien, W. J. heads Memphis company       25         Oil tar emulsions:       in water gas process—Jerome J. Morgan and C. F.         Stolzenbach—Part I.       24	600 69 199 193 3352 444 103 120 440 440 440 441 381 358 127 199 159	Sept. Feb. June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec. Nov. Oct. June Aug.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr. Apr. Apr. Sept. Oct. Nov.	Obituary:       Brady, Edward J	600 69 199 193 3352 444 103 120 440 440 440 441 381 358 127 199 159	Sept. Feb. June June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec. Nov. Oct. Dec. June Aug.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr. Apr. Sept. Oct. Nov. Nov.	Obituary:       Brady, Edward J	600 69 199 193 3352 444 03 120 440 440 130 69 141 13558 81 127 199 199 199 199 199 199 199 199 199 19	Sept. Feb. June Oct. July Mar. Apr. Apr. Feb. Oct. Dec. Nov. Oct. Dec. June Aug. July Aug. July Aug. July Aug.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr. Apr. Apr. Sept. Oct. Nov.	Obituary:       Brady, Edward J	600 69 199 193 3352 444 03 120 440 440 130 69 141 13558 81 127 199 199 199 199 199 199 199 199 199 19	Sept. Feb. June June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec. Nov. Oct. Dec. June Aug. July Aug.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr. Apr. Apr. Sept. Oct. Nov. Nov. June	Obituary:       Brady, Edward J	600 69 199 193 3352 444 03 120 440 440 130 69 141 13558 81 127 199 199 199 199 199 199 199 199 199 19	Sept. Feb. June Oct. July Mar. Apr. Apr. Feb. Oct. Dec. Nov. Oct. Dec. June Aug. July Aug. July Aug. July Aug.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr. Apr. Apr. Sept. Oct. Nov. Nov. June	Obituary:         Brady, Edward J.         3           Clark, Walton         30           Dame, Frank L.         3           Grady, Stanley         1!           Hays, Victor A.         1!           Higgins, Richard T.         3           Kane, James E.         22           Lane, Geo. A.         1!           O'Donnell, Chas. J.         1.           Prichard, Chas. R.         2           Rice, Calvin W.         4           Sauer, W. A.         1.           Stannard, Clare N.         4           Stephen, W. E.         4           Warner, D. H.         3           Wogan, F. R.         4           Zollikofer, H.         1!           O'Brien, W. J. heads Memphis company         2:           Oil tar emulsions:         in water gas process—Jerome J. Morgan and C. F.           Stolzenbach—Part I.         2           Part II.         2           O'Neil, T. F., presented with service trophy         1!           O're smelting:         Mexican ores smelted with American gas.	600 69 199 193 3352 2444 103 120 440 440 440 441 1881 1881 1881 27 199 59	Sept. Feb. June Oct. July Mar. Apr. Apr. Feb. Oct. Dec. Nov. Oct. Dec. June Aug. July Aug. July Aug. July Aug.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr. Apr. Sept. Oct. Nov. Nov. June Oct.	Obituary :   Brady, Edward J.	600 69 199 193 3352 2444 103 120 440 440 440 441 1881 1881 1881 27 199 59	Sept. Feb. June June Oct. July Mar. Apr. July Nov. Nov. Oct. Dec. Nov. Oct. Deune Aug. July Aug. July
approval requirements for conversion burners. 320 approval requirements for draft hoods 321 approval requirements for gas cocks. 321 approval requirements for industrial gas boilers. 321 approval requirements for pressure regulators. 320 approval requirements for refrigerators. 321 approval requirements for refrigerators. 320 approval requirements for refrigerators. 320 approval requirements for refrigerators. 320 approval requirements for refrigerators. 321 approval requirements for refrigerators. 321 approval requirements for refrigerators. 321 approval requirements for refrigerators. 322 foot approval requirements for refrigerators. 322 flood frange broiler ratings investigated. 319 pipe coating tests.— 405 study of range pilots draft resistance.—H. W. Smith, Jr	Sept. Sept. Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr. Apr. Sept. Oct. Nov. Nov. June Oct.	Obituary:       Brady, Edward J	600 69 199 193 3352 444 103 120 440 409 131 358 127 77 98 141	Sept. Feb. June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec. Nov. Oct. June June June June June Jan. Apr. Feb. Aug. June June Jan.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr. Apr. Sept. Oct. Nov. Nov. June Oct.	Obituary: Brady, Edward J	600 69 199 199 193 3352 244 103 120 440 440 440 440 440 440 45 77 79 98 141 141	Sept. Feb. June Oct. July Mar. July Nov. Apr. Feb. Dec. Nov. Oct. Dec. June Aug. June Jan. Apr. Apr. Apr.
approval requirements for conversion burners	Sept. Sept. Sept. Sept. Sept. Sept. Sept. July July Sept. July Aug. Sept. Aug. Mar. Apr. Apr. Sept. Oct. Nov. Nov. June Oct.	Obituary: Brady, Edward J	600 69 199 199 199 3352 444 103 3452 444 103 120 440 440 440 441 441 441 441 441 441 44	Sept. Feb. June Oct. July Mar. Apr. July Nov. Apr. Feb. Dec. Nov. Oct. June June June June June Jan. Apr. Feb. Aug. June June Jan.

***************************************	Dana	Tanua
		Issue
	108	Mar. Apr.
		May
***************************************		June
***************************************	252	July
* * * * * * * * * * * * * * * * * * * *		Aug.
***************************************		Sept.
***************************************		Oct.
***************************************		Dec.
Philadelphia company has golden jubilee		July
Pipe coatings:		
electrolytic method for determining condition of-		
S. P. Ewing and G. N. Scott		Apr.
extend plans for tests—G. H. Boydlaboratory tests—G. H. Boyd		Sept. July
performance of—S. Ewing	98	Mar.
Porcelain glazes:		
effect of direct firing on-A. P. Watts	. 8	Jan.
Pressure regulators:	220	c .
approval requirementsoperational characteristics of—H. W. Smith, Jr	320	Sept.
Production and Chemical conference	174	July May
Publicity and Advertising committee personnel		Sept.
Publicity and Advertising section abolished		May
Public relations:		
cattle branding wins good will for gas company-	150	16
M. F. Petersimprovement of, through job training—G. W.	158	May
Fuchs	239	July
see also Customer Relations.		3
R		
Range pilots:		
study of resistance to drafts-H. W. Smith, Jr	297	Sept.
Ranges:		
approval requirements		Aug.
broiler ratings investigated		Sept.
outlook forsee also Cooking.	290	Sept.
Rates:		
Minneapolis rates lowered	291	Sept.
Refrigeration:		
committee sponsors competition	128	Apr.
coordinated advertising and selling-L. Ruthen- burg	274	Aug.
ice cube contest winners	23	Jan.
sales contest awards	311	Sept.
Refrigerators:		
approval requirements		Aug.
	321	Sept.
	021	
Regulation:		Feb
Regulation: Seattle case		Feb.
Regulation:	38	
Regulation: Seattle case Regulators: approval requirements. Research:	38 281	Aug.
Regulation: Seattle case. Regulators: approval requirements. Research: A.G.A. laboratory studies ratio of CO to H2	38 281 281	Aug.
Regulation: Seattle case. Regulators: approval requirements. Research: A.G.A. laboratory studies ratio of CO to H2 development of A.G.A. standards—F. O. Suffron.	38 281 281	Aug.
Regulation: Seattle case.  Regulators: approval requirements.  A.G.A. laboratory studies ratio of CO to H2 development of A.G.A. standards—F. O. Suffron. effect of drafts upon range burners—A.G.A. lab-	38 281 281 260	Aug. Aug. Aug.
Regulation: Seattle case Regulators: approval requirements Research: A.G.A. laboratory studies ratio of CO to H2 development of A.G.A. standards—F. O. Suffron. effect of drafts upon range burners—A.G.A. laboratory—H. W. Smith, Jr.	38 281 281 260 297	Aug.
Regulation: Seattle case.  Regulators: approval requirements.  A.G.A. laboratory studies ratio of CO to H2 development of A.G.A. standards—F. O. Suffron. effect of drafts upon range burners—A.G.A. lab-	38 281 281 260 297 445	Aug. Aug. Aug. Sept.
Regulation: Seattle case Regulators: approval requirements.  Research: A.G.A. laboratory studies ratio of CO to H2 development of A.G.A. standards—F. O. Suffron. effect of drafts upon range burners—A.G.A. laboratory—H. W. Smith, Jr values of, for home service—D. E. Shank	38 281 281 260 297 445	Aug. Aug. Sept. Dec.
Regulation: Seattle case. Regulators: approval requirements. Research: A.G.A. laboratory studies ratio of CO to H2 development of A.G.A. standards—F. O. Suffron. effect of drafts upon range burners—A.G.A. laboratory—H. W. Smith, Jr values of, for home service—D. E. Shank Ruthenburg, Louis, elected president of Servel, Inc	38 281 281 260 297 445	Aug. Aug. Sept. Dec.
Regulation: Seattle case. Regulators: approval requirements. Research: A.G.A. laboratory studies ratio of CO to H2 development of A.G.A. standards—F. O. Suffron. effect of drafts upon range burners—A.G.A. laboratory—H. W. Smith, Jr values of, for home service—D. E. Shank Ruthenburg, Louis, elected president of Servel, Inc	38 281 281 260 297 445	Aug. Aug. Sept. Dec.
Regulation: Seattle case. Regulators: approval requirements. Research: A.G.A. laboratory studies ratio of CO to H2 development of A.G.A. standards—F. O. Suffron. effect of drafts upon range burners—A.G.A. laboratory—H. W. Smith, Jr values of, for home service—D. E. Shank Ruthenburg, Louis, elected president of Servel, Inc	38 281 281 260 297 445	Aug. Aug. Sept. Dec.
Regulation: Seattle case. Regulators: approval requirements. Research: A.G.A. laboratory studies ratio of CO to H2 development of A.G.A. standards—F. O. Suffron. effect of drafts upon range burners—A.G.A. laboratory—H. W. Smith, Jr values of, for home service—D. E. Shank. Ruthenburg, Louis, elected president of Servel, Inc  Safety: see Accident prevention. Sales:	38 281 281 260 297 445 141	Aug. Aug. Sept. Dec. Apr.
Regulation: Seattle case. Regulators: approval requirements. Research: A.G.A. laboratory studies ratio of CO to H2 development of A.G.A. standards—F. O. Suffron. effect of drafts upon range burners—A.G.A. laboratory—H. W. Smith, Jr values of, for home service—D. E. Shank Ruthenburg, Louis, elected president of Servel, Inc  S Safety: see Accident prevention.	38 281 281 260 297 445 141	Aug. Aug. Sept. Dec. Apr.

ue n. pt. pt. ec.

ec. et. eb. ov.

ec. ct.

ct. pr. eb. eb. ept. ov. pr. ine lar. ine ıly

ct. ept. eb. une une ct. uly Iar. pr. uly

Nov. Apr. Peb. Dec. Nov.

Oct. ec. une lug.

uly lug. lune lan.

Apr.

Apr. Jan. Feb.

	Page	Teeu	Page	Issue
	-			133116
		Mar	10	Jan.
***************************************		Apr.		Feb.
		May	163	May
***************************************		June	11 . 1 . 1 . 1	Nov
		July	11 1 1	Jan.
***************************************		Aug	N WIN PIID : 1	
***************************************		Sept		May
***************************************		Oct.	04	Feb.
***************************************		Nov		Mar
		Dec.	1.0	
Philadelphia company has golden jubilee	233	July		May
Pipe coatings:				June
electrolytic method for determining condition of-				July
S. P. Ewing and G. N. Scott	136	Apr.	268	Aug.
extend plans for tests—G. H. Boyd	318	Sept	t	Sept
laboratory tests-G. H. Boyd	244	July	programs—	
performance of—S. Ewing		Mar	employee industry development plans-A. A.	
Porcelain glazes:			Sweeney 241	July
effect of direct firing on-A. P. Watts	- 8	Tan.		
Pressure regulators:	0	Jan.	Obermeyer's book inspires ad campaign 17	Jan.
approval requirements	320	Sept		
operational characteristics of—H. W. Smith, Jr		July	0	2101
Production and Chemical conference		May	-11	Jan.
Publicity and Advertising committee personnel			10	
		Sept		
Publicity and Advertising section abolished	155	May		Mar
Public relations:			140	Apr.
cattle branding wins good will for gas company-			178	May
M. F. Peters		May		June
improvement of, through job training-G. W.			250	July
Fuchs	239	July		Aug.
see also Customer Relations.				Sept
				Oct.
			410	Nov.
R				Dec.
Range pilots:				
study of resistance to drafts-H. W. Smith, Jr	297	Sept	t.	
Ranges:			T	
approval requirements	283	Aug.	Technical:	
broiler ratings investigated	319	Sept		
outlook for	290	Sept		June
see also Cooking.			section—	June
Rates:			committees organize in Cleveland	Jan.
Minneapolis rates lowered	291	Sept		Jan.
Refrigeration:		Depe	Trade Temerana	Cant
committee sponsors competition	128	Apr.	companies adopt cooperative trade principles 310	Sept
coordinated advertising and selling—L. Ruthen-		Apr.		37
		A	convention resolution	Nov.
burg		Aug.	didente cooling companies of an eventual contract of	Oct.
ice cube contest winners		Jan.	Tederal babbanes compension 3: 2: 2mmer man: 110	Dec.
sales contest awards	311	Sept.	gas company competition—L. O. Gordon 399	Nov.
Refrigerators:			gas companies engaged in selling campaigns 344	Oct.
approval requirements		Aug.		
***************************************	321	Sept.		
Regulation:			W	
Seattle case	38	Feb.		
Regulators:			heavy oil tar emulsions—J. J. Morgan and Chas.	
approval requirements	281	Aug.		July
Research:		B	Part II	Aug.
A.G.A. laboratory studies ratio of CO to H2	281	Aug.		- rag.
development of A.G.A. standards—F. O. Suffron.		Aug.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Apr.
	200	Aug.		ripi.
effect of drafts upon range burners—A.G.A. lab-	207	C	automatic storage, replace gas-fired heaters and	Des
oratory-H. W. Smith, Jr		Sept.		Dec.
values of, for home service—D. E. Shank		Dec.		Mar.
Cuthenburg, Louis, elected president of Servel, Inc	141	Apr.		Oct.
			Water heating—	
			cost of, by furnace coils—F. W. Stone 89	Mar.
S			gas installation for Mohawk Golf Club 355	Oct.
afety:			large volume—Ralph L. Manier	May
see Accident prevention.				July
ales:			West's gas competition	Apr.
gas companies in TVA area engaged in campaigns	344	Oct		Oct.
house heating—H. O. Loebell		May		000.
planning for better times—J. F. Orr				Aug.
		May		
principles of mass selling—H. O. Loebell	440	Dec.	156	May



